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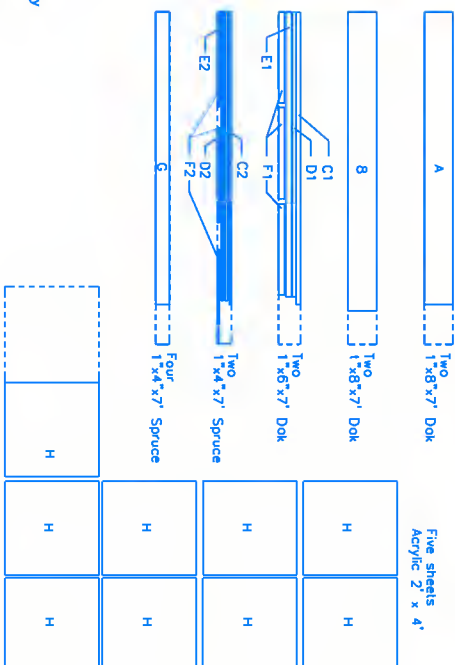
NOTE: Read all directions before beginning
Carpenters Glue should be used to
reinforce all joints
Set all nails and countersink all screws
Dimensions in brackets denote millimeters

- 1) Lay out your material as outlined in the suggested materials layout (Fig 1). Draw out all parts exactly as illustrated in the cutting diagram (Fig 2), including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure that they are correct. Always cut on the waste side of the line.

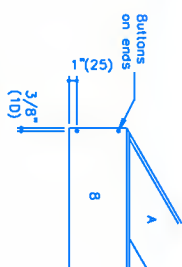
- 2) Pre-drill two 1/8" pilot holes in each end of pieces 8 as shown in Fig 3.
3. Counter-sink with a 3/8" bit, 3/8" deep. Drill a 1/8" pilot hole through the holes in pieces 8 into the edges of pieces A, about 1" deep (Fig 3). Glue and screw pieces 8 to pieces A using eight 1 1/2" #8 threaded screws, two in each corner. Glue bolts into pieces 8 countersinks. Square the assembly and allow to dry.

3) Pre-drill pieces C2 through the 1/2" edge using a 1/16" bit. Drill near each edge and every 8" in between. Keeping C2 on it's 1/2" edge. Glue and nail pieces C2 to pieces C1, keeping the edges flush, using 1 1/4" finishing nails (see Fig. 4). Pre-drill ten more 1/16" holes through the 3/4" face in each piece C2. Glue and nail C1C2 assembly to pieces A, 1/2" up from the bottom edges of pieces A using 1 1/4" finishing nails (Fig. 5). Pre-drill pieces D2, through the 1/2" edge using a 1/16" bit. Drill 1" from each end and every 8" in between. Keeping D2 on it's 1/2" edge, glue and nail pieces D2 to pieces D1. Keeping D2 on it's 1/2" edge, and with a 1/2" overlap of D2 on each end of D1 using 1 1/4" finishing nails see (Fig. 6). Pre-drill ten more 1/16" holes through the 3/4" face of pieces D2. Glue and nail D1D2 assembly to pieces B, 1/2" up from the bottom edge of pieces B using 1 1/4" finishing nails ten per D1D2 assembly. Note that the overlap on D2 will fit on top of C1. Pre-drill pieces E2, through the 1/2" edge using a 1/16" bit. Drill 1" from each end and every 8" in between. Keeping E2 on it's 1/2" edge, glue and nail pieces E2 to pieces E1. Keeping E2 centered on E1 using 1 1/4" finishing nails (see Fig. 7). Pre-drill 0 1/16" hole through the center of the overlapping on each piece E2 and nail it to pieces E1 using 1 1/4" finishing nails (see Fig. 8). Pre-drill pieces E3 into pieces E2. Place E1E2 assemblies on the C1C2 assemblies with pieces E2 overlapping top of pieces C1. Measure 24" between the bottom edge of piece D1 along C1. Nail E2 through the pilot hole to C1 using a 1 finishing nail at this location. Repeat for remaining E1E2 assemblies. Measure in 24" from the end of piece E2. Install eye screws (Fig. 9). Repeat for the other three ends of pieces E2. Pre-drill pieces F2, through the 1/2" edge using a 1/16" bit. Drill 1" from each end and every 8" in between. Keeping F2 on it's 1/2" edge, glue and nail pieces F2 to pieces F1, keeping F2 centered on F1 (1/2" on both sides of F1) and on a 1/2" overlap of F2 on each end of F1 using a 1 finishing nail (Fig. 8). Place the C1C2 assemblies loosely on the D1 finishing nails (Fig. 9). Measure 24" between the center of the mount pieces G flush with the top of assembly ABG8 (Fig. 9 & D) with sixteen 1 1/2"x1 1/2" metal angle brackets using sixty four 3/4" (fourteen screws, four each bracket). The outside pieces G mount tight to B with an angle attached to each end of G and two angles spaced 24" from ends of G on sides adjacent to B. The middle pieces G (seven to pieces G are centered 25 1/2" in from B.

75 1/2" X 75 1/2" SUNSHINE CEILING



MATERIALS LAYOUT
FIGURE 1



SCREW AND BUTTON DETAIL
FIGURE 3

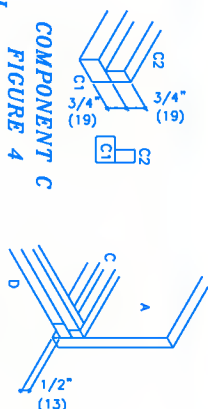
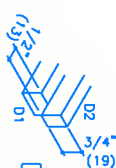
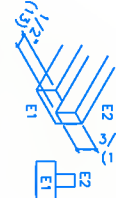


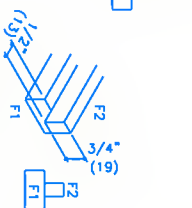
FIGURE 5



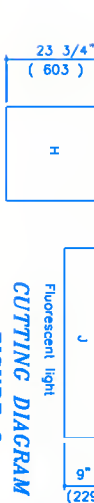
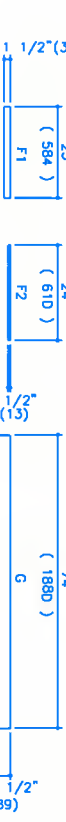
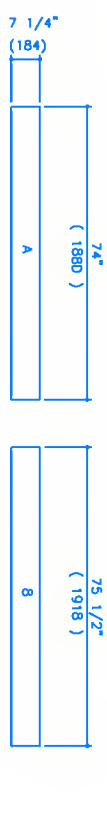
COMPONENT D
FIGURE 6



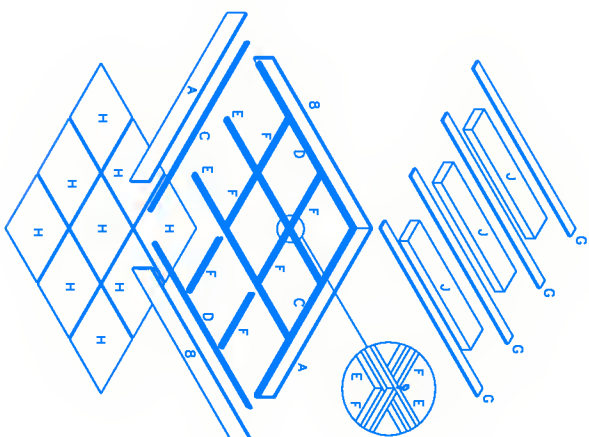
COMPONENT E
FIGURE 7



COMPONENT F
FIGURE 8



CUTTING DIAGRAM
FIGURE 2



EXPLODED VIEW
FIGURE 9

SUNSHINE CEILING - Project #114

MATERIALS LIST (75-1/2" X 75-1/2")

- Six $3/4 \times 37$ ($3/4 \times 33 - 1/2 \times 37$) softwood
- Two $1 \times 6 \times 37$ ($3/4 \times 35 - 1/2 \times 37$) hardwood
- Four $1 \times 6 \times 37$ ($3/4 \times 37 - 1/2 \times 37$) hardwood
- Eight $3/8$ -diameter wood buttons
- Approx. $1/2$ lb. $3/4$ -finishing nails
- Approx. $1/2$ lb. $1 - 1/4$ -finishing nails
- Approx. ten $1 - 1/2$ " #8 clothed screws
- Approx. $1/2$ lb. finishing nuts

MATERIALS LIST (75-1/2" X 75-1/2")

- Approx. twenty four 3" #8 loathed screws
- Nine 23-3/4"x23-3/4"x1/8" white acrylic
- Slon, oil, varnish or glossy paint point
- Three 4" fluorescent fixtures
- Sandpaper
- Carpenters glue
- Eight eye screws
- Twenty 1-1/2"x1-1/2" metal angle brackets